

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-269221

(43)Date of publication of application : 15.10.1996

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(51)Int.Cl.

C08J 9/00  
// C08L 27:18

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(21)Application number : 07-071423

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(22)Date of filing : 29.03.1995

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(54) POROUS BODY AND GASKET MADE THEREFROM

(57)Abstract:

PURPOSE: To obtain a porous body not suffering from a problem such as separation of graphite coating film and having high performance by impregnating a specified porous polytetrafluoroethylene body with a liquid lubricant.

CONSTITUTION: This porous body comprises a porous polytetrafluoroethylene body containing boron nitride and a liquid lubricant with which the body is impregnated and having a tensile strength of 4kg/mm<sup>2</sup> or above in at least one direction. The polytetrafluoroethylene powder used to obtain the porous polytetrafluoroethylene body containing boron nitride should be high-molecular-weight one having a number-average molecular weight of  $2 \times 10^7$  or above. The boron nitride used is usually powdery one having a particle diameter of about 0.5-30 $\mu$ m. It is usually desirable that the its content is 0.1-10wt.%. The boron nitride powder may be treated with a coupling agent. It is desirable that the liquid lubricant is lowly volatile one. Its amount of impregnation is usually about 0.1-50%.

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LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]